

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 2004/000718

## A. CLASSIFICATION OF SUBJECT MATTER

H01L 31/115, 31/119, 29/786, 27/14, 27/148 ; G01T 1/24 ; G09G 3/00  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
H01L, G01T, G09GDocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
-Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WPI, IMPADOC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	US 2003222311 A1 (SAMSUNG ELECTRONICS CO LTD) 4 December 2003 (04.12.2003) <i>abstract, figures 1 - 6, claims 1 - 11, 21.</i> --	1 -15
P,A	US 2003075718 A1 (SAMSUNG ELECTRONICS CO LTD) 24 April 2003 (24.04.2003) <i>abstract, figures 1, 15 - 17, 20 - 23.</i> --	1 -15
A	US 2003038241 A1 (CHOO KYO-SEOP et al) 27 February 2003 (27.02.2003) <i>abstract, figures 1 - 6, claims 1 - 11, 21.</i> --	1 -15

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
16 June 2004 (16.06.2004)Date of mailing of the international search report  
1 September 2004 (01.09.2004)Name and mailing address of the ISA/ AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 ViennaAuthorized officer  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002084419 A1 (CHOO KYO-SEOP et al) 4 July 2002 (04.07.2002) <i>abstract, figures 1, 2; column 1, paragraph 5 - 7.</i>	1 -15
A	— US 2002149318 A1 ( JEON JIN et al) 17 October 2002 (17.10.2002) <i>abstract, figures 1 - 7, claims 1 - 9.</i>	1 -15
A	— US 2003043104 A1 (LEE DONG-HO et al) 6 March 2003 (06.03.2003) <i>abstract, figures 1 - 8 , claims 1 - 3.</i>	1 -15
A	— KR 2003016758 A (SAMSUNG ELECTRONICS CO LTD) 3 March 2003 (03.03.2003) <i>WPI - abstract.</i>	1 - 15
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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR 2004/000718

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